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# NOTICE OF ALLOWANCE AND FEE(S) DUE

26890

7590

12/09/2004

JAMES M. STOVER NCR CORPORATION 1700 SOUTH PATTERSON BLVD, WHQ4 DAYTON, OH 45479 EXAMINER

RAYYAN, SUSAN F

ART UNIT PAPER NUMBER

2167

DATE MAILED: 12/09/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/038,849	12/31/2001	Bhashyam Ramesh	10237	9663

TITLE OF INVENTION: OPTIMIZING AN OUTER JOIN OPERATION USING A BITMAP INDEX STRUCTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	03/09/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 (703) 746-4000

			OF FAX	(703) 740-4000			
INSTRUCTIONS: This for appropriate. All further con indicated unless corrected to maintenance fee notification	pelow or directed otherwise	smitting the ISSU Patent, advance ordin Block 1, by (a)	E FEE and PUBLI ders and notification specifying a new of	CATION FEE (if required of maintenance fees voorrespondence address	nired). Blocks 1 through 5 s will be mailed to the current ; and/or (b) indicating a sepa	should be completed where correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying			
26890 75	90 12/09/2004			have its own certificat	al paper, such as an assignme e of mailing or transmission.	ent or formal drawing, must	
JAMES M. STOV	√ER			Ce	rtificate of Mailing or Trans	smission	
NCR CORPORAT				I hereby certify that the	his Fee(s) Transmittal is bein	g deposited with the United	
	TERSON BLVD, WH	Q4		addressed to the Ma	his Fee(s) Transmittal is bein with sufficient postage for fir il Stop ISSUE FEE address PTO (703) 746-4000, on the	above, or being facsimile	
DAYTON, OH 454	179			transmitted to the OSI	710 (703) 746-4000, on the C	(Depositor's name)	
						(Signature)	
						(Date)	
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10/038,849	12/31/2001		Bhashyam Rame	sh	10237	9663	
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nonprovisional	NO	\$1400		\$0	\$1400	03/09/2005	
EXAMINER		ART UN	ır C	CLASS-SUBC LASS	1		
RAYYAN,		2167	··	707-101000	J		
1. Change of correspondence		e Address" (37	2 For printing on	the patent front page, l	ist		
CFR 1.363).		` l		up to 3 registered pate			
Change of correspond Address form PTO/SB/12	ence address (or Change of (22) attached.	Correspondence	or agents OR, alternatively,				
"Fee Address" indicat PTO/SB/47; Rev 03-02 of Number is required.	ion (or "Fee Address" Indica or more recent) attached. Use	tion form of a Customer	(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
<u>-</u>	RESIDENCE DATA TO B	F PRINTED ON T	HE PATENT (print	or type)			
			•	•• •	nee is identified below, the c	locument has been filed for	
(A) NAME OF ASSIGNE	EE	(B	) RESIDENCE: (CI	ΓY and STATE OR CO	UNTRY)		
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4a. The following fee(s) are		•		Individual UC	orporation or other private gr	oup entity Government	
Issue Fee	enciosea:	40	Payment of Fee(s):		ld		
_			A check in the amount of the fee(s) is enclosed.  Payment by credit card. Form PTO-2038 is attached.				
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
Character Factor Contra	(6	<u> </u>	Deposit Account N	umber	(enclose an extra c	copy of this form).	
5. Change in Entity Status  a. Applicant claims SN	(from status indicated above MALL ENTITY status. See :	•	b. Applicant is n	o longer claiming SMA	LL ENTITY status. See 37 C	FR 1.27(g)(2).	
The Director of the USPTO	is requested to apply the Issu						
NOTE: The Issue Fee and Punterest as shown by the reco	ablication Fee (if required) verds of the United States Pate	vill not be accepted ent and Trademark	from anyone other Office.	than the applicant; a reg	ly paid issue fee to the application is tered attorney or agent; or t	he assignee or other party in	
Authorized Signature				Date			
Typed or printed name			Registration No.				
tickanara, virginia 225154	1450.				the public which is to file (an minutes to complete, includionments on the amount of ti Trademark Office, U.S. Dep S. SEND TO: Commissioner displays a valid OMB contro		



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	JAMES M. ST		RAYYAN, SUSAN F		
	NCR CORPORA	ATION ATTERSON BLVD, WH	ART UNIT	PAPER NUMBER	
	DAYTON, OH		2167		
				DATE MAILED: 12/09/200	4

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 650 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 650 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.